

ABSTRACT OF THE DISCLOSURE

The present invention discloses an apparatus including a magnesium alloy vessel substantially free of aluminum and zinc, with the vessel having a hollow interior cavity containing a working fluid, wherein the improvement includes the formation of a stable, protective layer on the inside wall of the vessel, the layer establishing compatibility with the working fluid and preventing base metal corrosion by the working fluid, the vessel including magnesium in combination with a gettering metal.

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